SONY

VPL-CWZ10

5,000 lm (5,200 lm center) WXGA laser light source projector



Overview

Enjoy brilliant images anywhere with this compact, easy-to-use, affordable 3LCD laser projector that integrates seamlessly with today's networked AV environments

The VPL-CWZ10 features an energy-efficient Z-Phosphor laser light source that's teamed with Sony's acclaimed BrightEra 3LCD engine for crisply detailed WXGA resolution images with high 5,000 lumen brightness and rich, stable colors. Equipped with the latest scaler chip, Full HD image quality is achieved ensuring all your content looks its best, whether it's PC presentations, video or signage.

Switch on the VPL-CWZ10 and start presenting without waiting for lamp warm-up. The advanced laser light source offers up to 20,000 hours* operation without lamp exchange, reducing maintenance needs and lifetime running costs compared with lamp-based projectors.

You'll save even more time with Intelligent Setting presets that instantly fine-tune brightness, cooling, color and other projector settings for impressive pictures in any environment.

Integration's easy in today's AV environments. The VPL-CWZ10 is an ideal partner with leading networked control, monitoring, and management systems such as Crestron Connected™.

Beautifully light, compact and easy to carry, the VPL-CWZ10 is the smallest** projector in its class. The stylish design fits elegantly into any space, with a flat top surface that blends in discreetly when the projector's ceiling mounted.

* Actual hours may vary depending on usage.
** As of February 2020 (according to Sony research), in 5,000 lm 3LCD laser projectors

Features

Very high image quality
The long-lasting Z-Phosphor laser light source is coupled with Sony's acclaimed BrightEra 3LCD projection engine to ensure bright, high-quality images with vivid, natural color reproduction.

Minimal maintenance
The laser light source offers up to 20,000 hours* of operation without lamp exchange, reducing maintenance needs compared with traditional projectors. Near-zero maintenance is complemented by a range of energy-saving features that significantly drive down total lifetime ownership costs.

* Depending on usage environment.

Consistent brightness
Experience consistent image brightness throughout the laser light source's 20,000 hours recommended lifespan.

Full HD resolution images

Equipped with the latest scaler chip, Full HD image quality is achieved ensuring all your content looks its best, whether it's PC presentations, video or signage.

Networked control and monitoring
The VPL-CWZ10 is ideal for integration in AV environments with leading control, monitoring and management systems such as Crestron Connected™.

Stylish blend-in design
The slim, stylish body features a flat top surface that blends discreetly into any space when the projector is ceiling mounted.

Specifications

Display system	
Display system	3 LCD system

Display device	
Size of effective display area	16.3 mm (0.64") x 3 BrightEra LCD Panel, Aspect ratio: 16:10
Number of pixels	3,072,000 (1280 x 800 x 3) pixels

Projection lens	
Focus	Manual
Zoom - Powered/Manual	Manual
Zoom - Ratio	Approx. x 1.6
Throw ratio	1.29:1 to 2.07:1
Lens shift	N/A (Lens Offset Vertical +37%)

Light source	
Type	Laser diode

Filter cleaning / replacement cycle (Max.)	
Filter cleaning / replacement cycle (Max.)	Standard mode: 1,000 H (cleaning)

Screen size	
Screen size	40" to 300" (1.02 m to 7.62 m)

Light output*1	
Mode: Standard	5,000 lm*2 / 5,200 lm (Center)*3
Mode: Middle	4000 lm
Mode: Low	-

Color light output *1	
Mode: Standard	5,000 lm
Mode: Middle	4000 lm
Mode: Low	-

Contrast ratio (full white / full black) *1	
Contrast ratio (full white / full black)	∞ : 1

Speaker	
Speaker	16 W (monaural)

Displayable scanning frequency	
Horizontal	15 kHz to 92 kHz
Vertical	48 Hz to 92 Hz

Accepted signal resolution	
Computer signal input	Maximum signal resolution: 1920 x 1200*4
Video signal input	NTSC, PAL, SECAM, 480/60p, 576/50i, 720/60p, 720/50p, 1080/60i, 1080/50i The following items are available for HDMI input only; 1080/60p, 1080/50p, 1080/24p

Color System	
Color System	NTSC3.58, PAL, SECAM, NTSC4.43, PAL-M, PAL-N, PAL60

Keystone correction (Max.)	
Horizontal	+/- 30 degrees
Vertical	+/- 30 degrees

INPUT OUTPUT (Computer/Video/Audio/Control)	
INPUT A	RGB / Y PB PR input connector:Mini D-sub 15 pin (female) Audio input connector: Stereo mini jack
INPUT B	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support

INPUT OUTPUT (Computer/Video/Audio/Control)	
INPUT C	HDMI input connector: HDMI 19-pin, HDCP support Audio input connector: HDMI audio support
VIDEO IN	Video input connector: Phono Jack Audio input connector: Shared with INPUT A
OUTPUT	Audio output connector: Stereo mini jack
REMOTE	D-sub 9-pin (male) / RS232C
LAN	RJ45, 10BASE-T/100BASE-TX
USB	TYPE-A (Only for FW upgrade)

Acoustic Noise*1	
Lamp Mode: Standard / Middle / Low	36 dB / 32 dB / 28 dB

Operating temperature / Operating humidity	
Operating temperature / Operating humidity	0°to 40°C (32°F to 104°F) / 20 % to 80 % (no condensation)

Storage temperature / Storage humidity	
Storage temperature / Storage humidity	-10° to +60°C (14°F to 140°F) / 20 % to 80 % (no condensation)

Power requirements	
Power requirements	AC 100 V to 240 V, 3.4 A to 1.5 A, 50 Hz / 60 Hz

Power Consumption	
AC 100 V to 120 V	Mode: Standard: 342 W
AC 220 V to 240 V	Mode: Standard: 326 W

Power Consumption (Standby Mode)	
AC 100 V to 120 V	0.5 W (when "Standby mode" is set to "Low")
AC 220 V to 240 V	0.5 W (when "Standby mode" is set to "Low")

Power Consumption (Networked Standby Mode)	
AC 100 V to 120 V	2 W ("Remote Start" is set to "On," when "Standby Mode" is set to "Low") 15 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")
AC 220 V to 240 V	2 W ("Remote Start" is set to "On," when "Standby Mode" is set to "Low") 15 W (ALL Terminals and Networks Connected, when "Standby Mode" is set to "Standard")

Standby Mode / Networked Standby Mode Activated	
Standby Mode / Networked Standby Mode Activated	Approx. 10 Minutes

Heat dissipation	
AC 100 V to 120 V	1,167 BTU/h
AC 220 V to 240 V	1112 BTU/h

Dimensions (W x H x D)	
Dimensions (W x H x D) (without protrusions)	Approx. 371 x 100 x 319.3 mm (14 19/32 x 3 15/16 x 12 9/16 inches)

Mass	
Mass	Approx. 5.7 kg (13 lb)

Supplied accessories	
Remote commander	RM-PJ8

Notes	
*1	The figures are approximate. They vary depending on the environment or how the projector is used.
*2	The value is in accordance with ISO 21118, and may differ depending on the actual unit. Brightness and contrast vary depending on use conditions and environments.
*3	The value is light output measured at center area of screen in Standard mode, and average of all products shipped.
*4	Available for VESA Reduced Blanking signal.

Gallery















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